Figure 1

| 1 | GAGAGAAGGA | GAAGATAATA | TACTGAAAAG | AAGAGGAGGA | GGAGAGCGAC | GGGACGGGAC |
|------|-------------|--------------|--------------------------|--------------------------|--|--------------------------|
| 61 | GCGAGCGGGA | GCGCAGCCGC | CCTCTCGGCT | CCGCGGCGGC | GCCTCGCAAG | TCCGGGAGGC |
| 121 | GAGGGGGGCC | CGAGGGGAGA | CGCCGTGACA | ACTTTCGTTT | CCCTCTGAGG | GAATTGGGAG |
| 181 | GTCGGCGGCC | CCAAAAGCTT | TCAGTCCAGT | GTAAAGCTGT | TGGAGCGCGG | GAGCAAAGGT |
| 241 | AAAGAATGAT | GTAATGCGCT | GGCTGCTCCA | AAGCATCTTT | TGTTGTGGAA | TGGTTATTCC |
| 301 | ACTCATCTCT | TTATGAATCA | AATGTGAGGG | GCTGCTTTGT | GGACGGAGTC | CTTTGCAAGA |
| 361 | GCACATCAAC | GGGAAAGAGA | AAGAGACATT | CACTTGGAGG | GCTCTTGCTG | AAAATGGGTT |
| 421 | TAACTCTCCT | TTTGCCAGTC | ACCACCAGCC | TGACCTCATA | CACTTTTAGT | ACAATGGAGT |
| 481 | GGCTGAGCCT | TTGAGCACAC | CACCATTACA | TCATCGTGGC | AAATTAAAGA | AGGAGGTGGG |
| 541 | AAAAGAGGAC | TTATTGTTGT | CATGGCCCAT | GAGATGATTG | GAACTCAAAT | TGTTACTGAG |
| 601 | AGGTTGGTGG | CTCTGCTGGA | AAGTGGAACG | GAAAAAGTGC | TGCTAATTGA | TAGCCGGCCA |
| 661 | TTTGTGGAAT | ACAATACATC | CCACATTTTG | GAAGCCATTA | ATATCAACTG | CTCCAAGCTT |
| 721 | ATGAAGCGAA | GGTTGCAACA | GGACAAAGTG | TTAATTACAG | AGCTCATCCA | GCATTCAGCG |
| 781 | AAACATAAGG | TTGACATTGA | TTGCAGTCAG | AAGGTTGTAG | TTTACGATCA | AAGCTCCCAA |
| 8/11 | CATCTTCCCT | CTCTCTCTTC | AGACTGTTTT | CTCACTGTAC | TTCTGGGTAA | ACTGGAGAAG |
| 901 | ACCTTCAACT | CTGTTCACCT | GCTTGCAGGT | GGGTTTGCTG | AGTTCTCTCG | TTGTTTCCCT |
| 961 | CCCCTCTCTC | ANGGAAAATC | CACTCTAGTC | CCTACCTGCA | TTTCTCAGCC | TTGCTTACCT |
| 1021 | CTTCCCAACA | TTCCCCCAAC | CCGAATTCTT | CCCAATCTTT | ATCTTGGCTG | CCAGCGAGAT |
| 1021 | CTCCTCNACA | ACCACCTGAT | GCAGCAGAAT | GGGATTGGTT | ATGTGTTAAA | TGCCAGCAAT |
| 1101 | ACCUCUCACA | ACCCTCACTT | TATCCCCGAG | TCTCATTTCC | TGCGTGTGCC | TGTGAATGAC |
| 1141 | ACCIGICCAA | ACAAAATTTT | CCCCTCCTTG | GACAAATCAG | TAGATTTCAT | TGAGAAAGCA |
| 1201 | AGCITITGIG | AGRAMATITI | TCTACTCCAC | TGTTTAGCTG | GGATCTCCCG | CTCCGCCACC |
| 1201 | AAAGCCICCA | CCTACATCAT | CARCAGGATG | GACATGTCTT | TAGATGAAGC | TTACAGATTT |
| 1321 | ATCGCTATCG | ANNCACCUAC | TATATCTCCA | AACTTCAATT | TTCTGGGCCA | ACTCCTGGAC |
| 1381 | GIGAAAGAAA | AAAGACCIAC | CCAGACTGGA | GCATCAGGGC | CAAAGAGCAA | ACTCAAGCTG |
| 1441 | TATGAGAAGA | AGATTAAGAA | TCAGACTGGA | CCTGCTGTCT | CAGAGGGTGG | ACAGAAAAGC |
| 1501 | CIGCACCIGG | MCACTCCACA | CTCTCCCCAC | TCTGCTACCT | CAGAGGCAGC | AGGACAAAGG |
| 1561 | GAGACGCCCC | CCCCCACCCT | CCCCACCCTG | CCCAGCGTGC | AGCCGTCGCT | GTTAGAGGAC |
| 1621 | DOCOGRECATO | TRACACCCCCT | CACTEGECTE | CACCTGTCCG | CAGACAGGCT | GGAAGACAGC |
| 1981 | AGCCCGCTGG | TACAGGCGCT | CHCHCHCCAG | ATCAAATCAG | ΤΤΤ ΤΑΤΑΤΤΥ C | AGCCAGCATG |
| 1/41 | AATAAGCTCA | AGCGTTCCTT | CICICIGGAI | GAAGATGCTT | TECATATIO | CAAACCTTCC |
| 1801 | GCAGCATCCT | TACATGGCII | CANCOUNTEC | CAGTTCTCCC | CTGTTCAGGA | ACTATCGGAG |
| 1001 | ACTACTOTEG | ALGGGACCAA | TCATAACCAC | GAAGCCAGCA | TCCCCAAGAA | GCTGCAGACC |
| 1921 | CAGACTCCCG | CACACACCCA | CACCAAGCGA | TTGCATTCGG | TCAGAACCAG | CAGCAGTGGC |
| 1981 | DCCCCCCDCD | CAGACAGCCA | ATCTCCACTC | CATCGAAGTG | GGAGCGTGGA | GGACAATTAC |
| 2041 | ACCUCCAGA | #CC#####CCC | CCTTTCCACC | AGCCAGCAGC | ACCTCACGAA | GTCTGCTGGC |
| 2101 | CHCACCAGCI | ACCCCTCCCA | CTCCCATATC | TTGGCCCCCC | AGACCTCTAC | CCCTTCCCTG |
| 2101 | ACCACCACCT | CCTATTTCC | CACAGAGTCC | TCACACTTCT | ACTCTGCCTC | AGCCATCTAC |
| 2221 | ACCAGCAGCT | CCACTTACTC | TOCACACAC | TGCAGCCAGC | TGCCCACTTG | CGGAGACCAA |
| 2201 | CHCHARDCHC | TCCCCACCCC | CCACAACCCA | AGTGACAGAG | CTGACTCGCG | GCGGAGCTGG |
| 2341 | GICIAITCIG | CCCCCMMMCA | カカカのこれのででで | AAACGCAGAA | GCTGCCAAAT | GGAATTTGGA |
| 2401 | CATGAAGAGA | GCCCCIIIGA | CACCTCACCC | GAAGAGCTGG | GGAAAGTGGG | CAGTCAGTCT |
| 2461 | DAGAGCATCA | CCACCATCCA | A A T C A T T C A C | GTCTCCTGAG | AAGAAAGACA | CTTGTGACTT |
| 2521 | AGCTTTTCGG | GCAGCAI GGA | TTCTTCACAA | AAAAATTCCC | TGTAAATCTG | AAATATATAT |
| 2281 | CTATAGACAA | TITITITE | TIGITORORA | GAGCTATGGT | GTAAAAGCAA | CAGGTGGATC |
| 2641 | ATGTACATAC | ATATATATIT | 77C7TCTCC7 | TTTGAGAGAT | CAGCTAATAC | TTCTCTCAAC |
| 2701 | AACCCAGTTG | TTACTCTCTT | MACAICIGCA | CCTAGACGGA | CCDADACCAT | TTTATTCAGT |
| 2/61 | AAAAATGGAA | . GGGCAGATGC | CHUNNANA | CAAGTGTCTT | TCCTCTTCCA | GGACAAAATC |
| 2821 | GAATTACACA | TCCTCTTGTT | UIIAAAAAAA | G AGATCTCAAA | TATTACTCTT | TGTCCGGACC |
| 2881 | CCCTACCATT | TTCCACGTTG | CCDCACACAC | AGCCAGCTTG | CCCCTCACCT | AGGTAGACCC |
| 2941 | CTTCCATAGT | ACACCTTAGC | CCTRACACTG | AGCCAGCIIG AGAGAAATGA | TCCTATCCAA | AGCTGATTCA |
| 3001 | TGTTAGGGAC | AGAGCCTAGT | GGIAAAICCA ACCCCACCCA | A CACGAGCATC | ACTCTGCTGG | ACGGACCATT |
| 3061 | CAAACCCACG | CTCACCTGAC | . みひししいみじしいだ たつれてスペクス | AACCCAGTAC | CTCAGACAGG | AAAGTCGGGG |
| 3121 | AGGGGCCTTG | CCAAGGTCTA | CONTROCCO | , WHCCCHGIHC | ************************************** | CTACCTACCT |
| 3181 | CTTTGACCAC | TACCATATCT | GGTAGCCCA1 | TTTCTAGGCA | . 11G1GAA1AG | CCCCTACATC |
| 3241 | AGTCACACTT | TTCAGACCAA | TICAAACIGI | CTATGCACAA | CANACACACA | ACCATACATO |
| 3301 | GAGATAATTI | TTTTTTCTTC | TUAGUTTTAT | GAAGAGAAGG | CCTTCCCACC | OPDATIONS OTRACACACTO |
| 3361 | TGAACCACCA | GGAACCTGGC | AACATCACGA | TTTAAGCTAA | | CTTTAAATAA |
| | | | , AAAGAATTGI | LIMMANIGGG | ALIGICAMIC | OTITIONITING |
| 3481 | AGATGAACTI | GGTTTC | | | | |

Figure 2.

MAHEMIGTQIVTERLVALLESGTEKVLLIDSRPFVEYNTSHILEAININCSKLMKRRLQQDKVLITELIQHSAKHKV DIDCSQKVVVYDQSSQDVASLSSDCFLTVLLGKLEKSFNSVHLLAGGFAEFSRCFPGLCEGKSTLVPTCISQPCLPV ANIGPTRILPNLYLGCQRDVLNKELMQQNGIGYVLNASNTCPKPDFIPESHFLRVPVNDSFCEKILPWLDKSVDFIE KAKASNGCVLVHCLAGISRSATIAIAYIMKRMDMSLDEAYRFVKEKRPTISPNFNFLGQLLDYEKKIKNQTGASGPK SKLKLLHLEKPNEPVPAVSEGGQKSETPLSPPCADSATSEAAGQRPVHPASVPSVPSVQPSLLEDSPLVQALSGLHL SADRLEDSNKLKRSFSLDIKSVSYSASMAASLHGFSSSEDALEYYKPSTTLDGTNKLCQFSPVQELSEQTPETSPDK EEASIPKKLQTARPSDSQSKRLHSVRTSSSGTAQRSLLSPLHRSGSVEDNYHTSFLFGLSTSQQHLTKSAGLGLKGW HSDILAPQTSTPSLTSSWYFATESSHFYSASAIYGGSASYSAYSCSQLPTCGDQVYSVRRRQKPSDRADSRRSWHEE SPFEKQFKRRSCQMEFGESIMSENRSREELGKVGSQSSFSGSMEIIEVS

Figure 3.

| 1 | GAGAGAAGGA | GAAGATAATA | TACTGAAAAG | AAGAGGAGGA | GGAGAGCGAC | GGGACGGGAC |
|------|------------|------------|------------|--------------------------|------------|------------|
| 61 | GCGAGCGGGA | GCGCAGCCGC | CCTCTCGGCT | CCGCGGCGGC | GCCTCGCAAG | TCCGGGAGGC |
| 121 | GAGGGGGGCC | CGAGGGGAGA | CGCCGTGACA | ACTTTCGTTT | CCCTCTGAGG | GAATTGGGAG |
| 181 | GTCGGCGGCC | CCAAAAGCTT | TCAGTCCAGT | GTAAAGCTGT | TGGAGCGCGG | GAGCAAAGGT |
| | | | | AAGCATCTTT | | |
| | | | | GCTGCTTTGT | | |
| | | | | CACTTGGAGG | | |
| | | | | TGACCTCATA | | |
| | | | | TCATCGTGGC | | |
| | | | | GAGATGATTG | | |
| | | | | GAAAAAGTGC | | |
| | | | | GAAGCCATTA | | |
| | | | | TTAATTACAG | | |
| | | | | AAGGTTGTAG | | |
| | | | | CTCACTGTAC | | |
| | | | | GCTGATGCAG | | |
| | | | | TGACTTTATC | | |
| | | | | | | |
| | | | | AATTTTGCCG ATGTGTTCTA | | |
| | | . — | | | | |
| | | | | CATCATGAAG | | |
| | | | | ACCTACTATA | | |
| | | | | TAAGAACCAG | | |
| | | | | GCCAAATGAA | | |
| | | | | TCCACCCTGT | | |
| | | | | CAGCGTGCCC | | |
| | | | | GGCGCTCAGT | | |
| | | | | TTCCTTCTCT | | |
| | | | | TGGCTTCTCC | | |
| | | | | GACCAACAAG | | |
| | | | | CAGTCCTGAT | | |
| | | | | CAGCCAGAGC | | |
| | | | | CCTTTTATCT | | |
| | | | | TTTCGGCCTT | | |
| | | | | CTGGCACTCG | | |
| | | | | TTTTGCCACA | | |
| | | | | TTACTCTGCC | | |
| | | | | CAGGCGGCAG | | |
| | | | | CTTTGAAAAG | | |
| | | | | AGAGAACAGG | | |
| | | | | CATGGAAATC | | |
| | _ | | | TTTTTCTTGT | | |
| | | | | ATATTTTTGG | | |
| | | | | TCTCTTAACA | | |
| | | | | AGATGCTAGA | | |
| | | | | CTTGTTCTTA | | |
| | | | | ACGTTGTGCT | | |
| | | | | CTTAGCGCTG | | |
| | | | | CCTAGTGGTA | | |
| | | | | CCTGACAGCC | | |
| | | | | GGTCTACCTT | | |
| | | | | ATATCTGGTA | | |
| | | | | GACCAATTCA | | |
| | | | | TTCTTCTCAG | | |
| | | | | CCTGGCAACA | | |
| | | | | TAAATCAAAG | AATTGTTTAA | AATGGGATTG |
| 3301 | TCAATCCTTT | AAATAAAGAT | GAACTTGGTT | TC | | |

Figure 4.

MLPLSLQTVFSLYFWVNWRRASTLFTCLQELMQQNGIGYVLNASNTCPKPDFIPESHFLRVPVNDSFCEKILPWLDK SVDFIEKAKASNGCVLVHCLAGISRSATIAIAYIMKRMDMSLDEAYRFVKEKRPTISPNFNFLGQLLDYEKKIKNQT GASGPKSKLKLLHLEKPNEPVPAVSEGGQKSETPLSPPCADSATSEAAGQRPVHPASVPSVPSVQPSLLEDSPLVQA LSGLHLSADRLEDSNKLKRSFSLDIKSVSYSASMAASLHGFSSSEDALEYYKPSTTLDGTNKLCQFSPVQELSEQTP ETSPDKEEASIPKKLQTARPSDSQSKRLHSVRTSSSGTAQRSLLSPLHRSGSVEDNYHTSFLFGLSTSQQHLTKSAG LGLKGWHSDILAPQTSTPSLTSSWYFATESSHFYSASAIYGGSASYSAYSCSQLPTCGDQVYSVRRRQKPSDRADSR RSWHEESPFEKQFKRRSCQMEFGESIMSENRSREELGKVGSQSSFSGSMEIIEVS

Consensus